PART B - FEE(S) TRANSMITTAL Implete and exend this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents JAN 1 7 2006 P.O. Box 1450 Alexandria, Virginia 22313-1450 (571) 273-2885 or Fax STRUCTIONS, his form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where periate. A parity correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as including the patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as including the patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for interespondence address; and/or (b) indicating a separate "FEE ADDRESS" for STRUCTIONS maintenance fee notifications. CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission. 7590 10/20/2005 Lisa A. Haile, J.D., Ph.D. Certificate of Mailing or Transmission
I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below. GRAY CARY WARE & FREIDENRICH LLP **Suite 1100** 4365 Executive Drive San Diego, CA 92121-2133 Aldon Griffis 01/18/2006 SFELEKE2 00000005 10677982 10 (Signati 700.00 OP January 13, 2006 01 FC:2501 C BOYLICATION NO. FILING DATE O DP FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/677,982 10/01/2003 Philip A. Beachy JHU1510-2 9078 TITLE OF INVENTION: MODULATION OF HEDGEHOG-MEDIATED SIGNALING PATHWAY APPLN. TYPE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(S) DUE DATE DUE nonprovisional YES \$700 \$300 \$1000 01/20/2006 EXAMINER ART UNIT CLASS-SUBCLASS MCKELVEY, TERRY ALAN 1636 435-015000 Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). DLA PIPER RUDNICK 2. For printing on the patent front page, list I GRAY CARY US LLP (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Baltimore, Maryland The Johns Hopkins University School of Medicine Houston, Texas Baylor College of Medicine Please check the appropriate assignee category or categories (will not be printed on the patent) : 🔲 Individual 🚨 Corporation or other private group entity 🚨 Government 4a. The following fee(s) are enclosed: 4b. Payment of Fee(s): \$1,030.00 ☑ Issue Fee A check in the amount of the fee(s) is enclosed. Publication Fee (No small entity discount permitted) Payment by credit card. Form PTO-2038 is attached. Advance Order - # of Copies Ten (10) 5. Change in Entity Status (from status indicated above) a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. □ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2). The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office. January 13, 2006 Authorized Signature Haile, J.D., Ph.D. Registration No. 38,347 Typed or printed name Lisa W.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.